

APPENDIX

(1) **Sales Information.**—National Ocean Service (NOS) publications, nautical charts and unclassified National Imagery and Mapping Agency (NIMA) nautical charts are sold by NOS and its authorized sales agents in many U.S. ports and in some foreign ports through the National Aeronautical Charting Office. Mail orders should be addressed to:

- (2) National Aeronautical Charting Office, AVN-530
- (3) FAA Distribution Division
- (4) 6501 Lafayette Avenue
- (5) Riverdale, MD 20737-1199

(6) Mail orders must be accompanied by a check or money order (payable in U.S. funds) payable to FAA. Remittance from outside the United States should be made either by an International Money Order or by a check payable on a U.S. bank. Chart catalogs, which include a listing of authorized sales agents, are free upon request. Telephone orders may be placed by calling 301-436-8301 or toll-free 1-800-638-8972 (Visa or Mastercard accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. NOS maintains an over-the-counter sales office at the FAA, Riverdale, MD (see address above). Visa, Mastercard, checks, cash, and money orders are accepted. Sales information is located on the internet website address, <http://www.naco.faa.gov>.

(7) **National Ocean Service Offices**

(8) **Washington, DC (Headquarters):** Assistant Administrator, National Ocean Service, NOAA, Herbert C. Hoover Bldg., 14th Street and Constitution Avenue, NW, Washington, DC 20230-0001.

(9) **Silver Spring:** Chief, Office of Coast Survey (N/CS), National Ocean Service, NOAA, 1315 East-West Highway, Silver Spring, MD 20910-3282.

(10) **Norfolk:** Director, Atlantic Marine Center, National Ocean Service, NOAA, 439 West York Street, Norfolk, VA 23510-1114.

(11) **Seattle:** Director, Pacific Marine Center, National Ocean Service, NOAA, 1801 Fairview Avenue East, Seattle, WA 98102-3767.

(12) **Charts and Publications—National Ocean Service**

(13) **Nautical Charts** (See Chart Catalogs)

(14) United States Coastal and Intracoastal waters, and possessions.

(15) Great Lakes, Lake Champlain, New York State Canals, and the St. Lawrence River—St. Regis to Cornwall, Canada.

(16) **Publications** (See the publication **Dates of Latest Editions** for latest editions and prices)

(17) **Coast Pilots**

(18) U.S. Coast Pilot 1, Atlantic Coast, Eastport to Cape Cod.

(19) U.S. Coast Pilot 2, Atlantic Coast, Cape Cod to Sandy Hook.

(20) U.S. Coast Pilot 3, Atlantic Coast, Sandy Hook to Cape Henry.

(21) U.S. Coast Pilot 4, Atlantic Coast, Cape Henry to Key West.

(22) U.S. Coast Pilot 5, Atlantic Coast—Gulf of Mexico, Puerto Rico, and Virgin Islands.

(23) U.S. Coast Pilot 6, Great Lakes, Lakes Ontario, Erie, Huron, Michigan and Superior, and St. Lawrence River.

(24) U.S. Coast Pilot 7, Pacific Coast, California, Oregon, Washington, and Hawaii.

(25) U.S. Coast Pilot 8, Pacific Coast Alaska, Dixon Entrance to Cape Spencer.

(26) U.S. Coast Pilot 9, Pacific and Arctic Coasts, Alaska—Cape Spencer to Beaufort Sea.

(27) **Distance Tables**

(28) Distances Between United States Ports.

(29) **Tide Tables**

(30) Europe and West Coast of Africa.

(31) East Coast, North and South America.

(32) West Coast, North and South America.

(33) Central and Western Pacific Ocean and Indian Ocean.

(34) Supplemental Tidal Predictions—Anchorage, Nikiski, Seldovia, and Valdez Alaska.

(35) **Tidal Current Tables**

(36) Atlantic Coast, North America.

(37) Pacific Coast, North America and Asia.

(38) **Tidal Current Charts**

(39) Boston Harbor.

(40) Narragansett Bay to Nantucket Sound.

(41) Narragansett Bay.

(42) Long Island Sound and Block Island Sound.

(43) Delaware Bay and River.

(44) Upper Chesapeake Bay.

(45) Charleston Harbor, S.C., including the Wando, Cooper, and Ashley Rivers.

(46) Tampa Bay.

(47) Puget Sound, Northern Part.

(48) Puget Sound, Southern Part.

(49) **Dates of Latest Editions** gives the edition and date of the latest edition of charts and publications of the National Ocean Service. Published quarterly and available free from the National Aeronautical Charting Office, AVN-530, Federal Aviation Administration, Riverdale, MD 20737-1199; telephone 1-800-638-8972.

(50) **Charts and Publications—Other U.S. Government Agencies**

(51) A partial list of publications and charts considered of navigational value is included for the ready reference of the mariner. In addition to the agents located in the principal seaports handling publication sales, certain libraries have been designated by the Congress of the United States to receive the publications as issued for public review.

(52) **Government Printing Office.**—Publications of the U.S. Government Printing Office may be ordered from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-9325. Orders may be charged to Visa, MasterCard or Choice by calling (202) 512-1800 during normal business hours.

(53) **National Imagery and Mapping Agency Procurement Information.**—Unclassified publications produced by the National Imagery and Mapping Agency (NIMA) are available from the U.S. Government Printing Office, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-1954. Orders can be placed on the U.S. Government Online Bookstore (<http://bookstore.gpo.gov>), by phone (202-512-1800) or by FAX (202-512-2250). Classified NIMA publications and charts are

available to authorized users from National Imagery and Mapping Agency Combat Support Center (Attn: PMSR), Washington, DC 20315-0020. NIMA Customer Assistance Office may be contacted at 1-800-826-0342 or 287-2495 (Autovon).

(54) **Nautical Charts**

(55) U.S. Waters:

(56) Apalachicola, Chattahoochee and Flint Rivers Navigation Charts, Alabama River Charts, and Black Warrior-Tombigbee Rivers River Charts: Published and for sale by U.S. Army Engineer District Mobile, P.O. Box 2288, 109 St. Joseph Street, Mobile, AL 36628.

(57) Flood Control and Navigation Maps of the Mississippi River, Cairo, Ill. to the Gulf of Mexico: Published by Mississippi River Commission and for sale by U.S. Army Engineer District Vicksburg, P.O. Box 60, U.S. Post Office and Courthouse, Vicksburg, MS 39180.

(58) Upper Mississippi River, Navigation Charts (Mississippi River, Cairo, Ill. to Minneapolis, Minn.): Published by U.S. Army Engineer North Central Division and for sale by U.S. Army Engineer District St. Louis, 210 N. Tucker Boulevard, St. Louis, MO 63101.

(59) Charts of the Illinois Waterway, from Mississippi River at Grafton, Ill. to Lake Michigan at Chicago and Calumet Harbors: Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., Rock Island, IL 61201.

(60) Foreign Waters: Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above).

(61) **Marine Weather Services Charts:** Published by the National Weather Service; for sale by NOS Distribution Division (see Sales Information above).

(62) **Publications**

(63) **Notices to Mariners:**

(64) The Local Notice to Mariners is available without charge upon application to the appropriate Coast Guard District Commander (see address further on). The National Imagery and Mapping Agency Notice to Mariners is available without charge by operators of ocean-going vessels (see National Imagery and Mapping Agency Procurement Information above).

(65) **Special Notice to Mariners** are published annually in National Imagery and Mapping Agency Notice to Mariners 1. These notices contain important information of considerable interest to all mariners. Interested parties are advised to read these notices.

(66) **Light Lists (United States and Possessions):** Published by U.S. Coast Guard; for sale by the Government Printing Office. (See Government Printing Office, early this appendix.)

(67) **List of Lights (Foreign Countries):** Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above).

(68) **Sailing Directions (Foreign Countries):** Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above).

(69) **Radio Navigational Aids**, Pub. 117: Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above).

(70) The **Nautical Almanac**, the **Air Almanac**, and **Astronomical Almanac**: Published by U.S. Naval Observatory; for sale by Government Printing Office. (see Government Printing Office, early this appendix.)

(71) **American Practical Navigator Bowditch** (Pub. 9): Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above).

(72) **International Code of Signals** (Pub. 102): Published by National Imagery and Mapping Agency (see National Imagery and Mapping Agency Procurement Information above).

(73) **Marine Product Dissemination Information:** maintained by the National Weather Service on the internet, (<http://www.new.noaa.gov/om/marine/home.htm>).

(74) **Navigation Rules:** Navigation Rules, International-Inland (COMDTINST M16672.2 series): Published by the U.S. Coast Guard; for sale by Government Printing Office. (see Government Printing Office, early this appendix.)

(75) **Federal Requirements for Recreational Boats:** Published by U.S. Coast Guard; available without charge by contacting the toll free Boating Safety Hotline (telephone, 800-368-5647).

(76) **Port Series of the United States:** Published and sold by Corps of Engineers, U.S. Army, Water Resources Support Center, Port Facilities Branch, Casey Building, Fort Belvoir, VA 22060-5586.

(77) **Maritime Radio Users Handbook:** Published and sold by Radio Technical Commission for Maritime Services, 655 Fifteenth Street, N.W., Suite 300, Washington, DC 20005-5701.

(78) **National Ocean Service Center for Operational Oceanographic Products and Services**

(79) **For Tide and Tidal Current Predictions:**

(80) Products and Services Division (N/OPS3)

(81) Room 7115

(82) 1305 East-West Highway

(83) Silver Spring, MD 20910-3281

(84) TEL 301-713-2815 Exts. 123, 119, 122

(85) FAX 301-713-4500 (24 hours)

(86) EMAIL Tide.Predictions@noaa.gov

(87) **For Tide Observations, Datums and Levels, Benchmark Sheets:**

(88) Products and Services Division (N/OPS3)

(89) Room 7317

(90) 1305 East-West Highway

(91) Silver Spring, MD 20910-3281

(92) TEL 301-713-2877 Exts. 176, 152, 149, 148

(93) FAX 301-713-4437 (24 hours)

(94) EMAIL Stephen.Lyles@noaa.gov

(95) **PORTS® Information and Data**

(96) Products and Services Division (N/OPS3)

(97) Room 7317

(98) 1305 East-West Highway

(99) Silver Spring, MD 20910-3281

(100) TEL 301-713-2877 Exts. 176, 152, 149, 148

(101) FAX 301-713-4437 (24 hours)

(102) EMAIL Stephen.Lyles@noaa.gov

(103) **Publishers of Tide Tables and Tidal Current Tables:**

(104) **ProStar Publications Inc.**

(105) 8643 Hayden Place

(106) Culver City, CA 90232-2901

(107) TEL 1-310-280-1010 or 800-481-6277

(108) FAX 1-310-280-1025 or 800-487-6277 (24 hours)

(109) **Thomas Reed Publications, Inc**

(110) 293 South Main Street

(111) Providence, RI 02903

- (112) TEL 1-800-995-4995 or 401-454-8300
- (113) FAX 1-401-454-8455 (24 hours)
- (114) **International Marine**
- (115) P.O. Box 547
- (116) Backlick, OH 43004
- (117) TEL 1-800-262-4729
- (118) FAX 1-614-759-3641

(119) **U.S. Army Corps of Engineers (USACE) Offices**

(120) **Pacific Ocean Division Office:** Bldg. 230, Fort Shafter, Hawaii 96858-5440.

(121) The Pacific Ocean Division includes the State of Hawaii. The division also performs protection and preservation works at the islands of Guam and American Samoa.

(122) **Los Angeles District Office:** 300 North Los Angeles Street, Los Angeles, CA 90012.

(123) The Los Angeles District includes the coastal waters and tributaries of California from the Mexican boundary to Cape San Martin (35°54'N., 121°27'W.).

(124) **Portland District Office:** Duncan Plaza, 333 S.W. First Avenue, P.O. Box 2946, Portland, OR 97208.

(125) The Portland District includes the coastal waters and tributaries of Oregon, and the waters and tributaries of the Columbia River as far as the bridge at Umatilla, Oreg., just below McNary Dam.

(126) **Sacramento District Office:** 650 Capitol Mall, Federal and Court Bldg., Sacramento, CA 95814-4794.

(127) The Sacramento District includes Suisun Bay, and the Sacramento and San Joaquin Rivers and their tributaries.

(128) **San Francisco District Office:** 211 Main Street, San Francisco, CA 94105-1905.

(129) The San Francisco District includes the coastal waters and tributaries from Cape San Martin to the Oregon boundary, including San Francisco Bay but not Suisun Bay and the Sacramento and San Joaquin Rivers and their tributaries.

(130) **Seattle District Office:** 4735 East Marginal Way South, Seattle, Wash. 98134.

(131) The Seattle District includes the coastal waters and tributaries of Washington except the Columbia River.

(132) **Walla Walla District Office:** Bldg. 602, City-County Airport, Walla Walla, WA 99362-9265.

(133) The Walla Walla District includes the Columbia River and tributaries above the bridge at Umatilla, Oreg., just below McNary Dam.

(134) **Environmental Protection Agency (EPA) Offices.**—Regional offices and States in the EPA coastal regions:

(135) **Region I** (New Hampshire, Vermont, Maine, Massachusetts, Connecticut, Rhode Island): J. F. Kennedy Federal Bldg., Boston, MA 02203.

(136) **Region II** (New Jersey, New York, Puerto Rico, Virgin Islands): 26 Federal Plaza, New York, NY 10278.

(137) **Region III** (Delaware, Maryland, Virginia, District of Columbia, Pennsylvania): 841 Chestnut Street, Philadelphia, PA 19107.

(138) **Region IV** (Alabama, Florida, Georgia, Mississippi, South Carolina, North Carolina): 345 Courtland Street, NE., Atlanta, GA 30365.

(139) **Region V** (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin): 230 South Dearborn Street, Chicago, IL 60604.

(140) **Region VI** (Louisiana, Texas): 1445 Ross Avenue, Dallas, TX 75270.

(141) **Region IX** (California, Hawaii, Guam): 215 Fremont Street, San Francisco, Calif. 94105.

(142) **Region X** (Alaska, Oregon, Washington): 1200 Sixth Avenue, Seattle, Wash., 98101.

(143) **Coast Guard District Offices**

(144) Commander, Eleventh Coast Guard District, Coast Guard Island, Building 50-6, Alameda, CA 94501-5100. Arizona; Utah; Nevada; California; and the ocean area bounded by a line from the California-Oregon state line westerly to 40°N., 150°W., thence southeasterly to 5°S., 100°W., thence northeasterly to the border between Guatemala and Mexico on the Pacific Coast (14°38'N., 92°19'W.).

(145) Commander, Thirteenth Coast Guard District, 915 Second Avenue, Jackson Federal Building, Seattle, Wash. 98174-1067. The coastal waters and tributaries in Oregon, Washington, Idaho, and Montana.

(146) Commander, Fourteenth Coast Guard District, Prince Kalanianaʻole Federal Building, 300 Ala Moana Boulevard, Honolulu, Hawaii 96850-4982. The State of Hawaii and the Pacific Islands belonging to the United States west of 150°W., and south of 40°N.

(147) **Note:** A Marine Safety Office combines the functions of the Captain of the Port and Marine Inspection Office.

(148) The symbol (D) preceding an office indicates that a Documentation Office is at the same address.

(149) **Coast Guard Marine Safety Offices**

(150) (D) Honolulu, HI: 433 Ala Moana Blvd., Pier 4, 96813-4909.

(151) (D) Long Beach, CA: 165 N. Pico Ave., 90802-1096.

(152) (D) Portland, OR: 6767 N. Basin Ave., 97217-3992.

(153) San Diego, CA: 2716 N. Harbor Drive, 92101-1064.

(154) (D) Puget Sound: Seattle, WA: 1519 Alaskan Way South, Bldg. 1, 98134-1192.

(155) **Coast Guard Stations.**—The stations listed are in the area covered by this Coast Pilot. They have search and rescue capabilities and may provide lookout, communication, and/or patrol functions to assist vessels in distress. The National VHF-FM Distress System provides continuous coastal radio coverage outwards to 20 miles on channel 16. After contact on channel 16, communications with the Coast Guard should be on channel 22. If channel 22 is not available to the mariner, communications may be made on channel 12. Selected stations guard the International Radiotelephone Distress, Safety and Calling Frequencies.

(156) **California:**

(157) Humboldt Bay Air Station (40°59'N., 124°06'W.). At McKinleyville.

(158) Bodega Bay (38°18.7'N., 123°03.0'W.). On E side of channel 0.8 mile inside Bodega Harbor.

(159) Channel Islands Harbor (34°09.7'N., 119°13.3'W.). On the E side of the harbor about 0.4 mile above the entrance.

(160) Golden Gate (37°49'54"N., 122°28'30"W.). At entrance to Horseshoe Bay, about 0.4 mile NNE of Golden Gate Bridge.

(161) Humboldt Bay (40°46.1'N., 124°13.2'W.). E side of North Spit at the entrance to Humboldt Bay.

(162) Lake Tahoe (39°10.8'N., 120°07.1'W.). On W shore of the lake, about 1.3 miles W of Dollar Point.

(163) Los Angeles/Long Beach (33°43'26"N., 118°16'06"W.). On the W side of Reservation Point.

(164) Los Angeles Air Station (33°57'N., 118°24'W.). At Los Angeles International Airport.

(165) Mare Island (38°04.6'N., 122°14.8'W.). At SE end of Mare Island just NW of Pier 34.

(166) Monterey Group Office (36°36.5'N., 121°53.7'W.). At inner end of N breakwater.

(167) Rio Vista (38°08.8'N., 121°41.5'W.). On the W side of the Sacramento River, 0.9 mile below bridge.

(168) Sacramento Air Station (38°40'N., 121°24'W.). NE of the city at McClellan Air Force Base.

(169) San Diego (32°43.6'N., 117°10.9'W.). In North San Diego Bay, 700 yards NE of E end of Harbor Island.

(170) San Diego Air Station (32°43.6'N., 117°10.9'W.). In North San Diego Bay.

(171) San Francisco Base and Station (37°48.7'N., 122°21.6'W.). On the E side of Yerba Buena Island.

(172) San Francisco Air Station (37°38'N., 122°23'W.). At San Francisco International Airport.

(173) **Hawaii:**

(174) Barbers Point Air Station (21°18.8'N., 128°04.4'W.). At Barbers Point Naval Air Station.

(175) Honolulu Base (21°18.6'N., 157°52.6'W.). On Sand Island, 0.8 mile from harbor entrance.

(176) Maui (20°47.5'N., 156°30.6'W.). At Maalaea Village in Maalaea Bay.

(177) **Oregon:**

(178) Astoria Air Station (46°10'N., 123°53'W.). At Clatsop County Airport.

(179) Chetco River (42°02.8'N., 124°16.0'W.). On E side of river, about 450 yards above the entrance.

(180) Coos Bay (43°20.7'N., 124°19.3'W.). S side of Charleston Boat Basin.

(181) Depoe Bay (44°48.6'N., 124°03.5'W.). On E side of bay.

(182) North Bend Air Station (43°25'N., 124°15'W.). At North Bend Municipal Airport.

(183) Siuslaw River (44°00.1'N., 124°07.2'W.). On E side of river, about 1.3 mile above the entrance.

(184) Tillamook Bay (45°33.5'N., 123°55.2'W.). On N shore at Garibaldi.

(185) Umpqua River (43°40.9'N., 124°10.9'W.). In Winchester Bay, 2 miles above the mouth.

(186) Yaquina Bay (44°37.6'N., 124°03.3'W.). Newport waterfront, N side of bay near bridge.

(187) **Washington:**

(188) Bellingham (48°45.4'N., 122°30.4'W.). In Squalicum small-boat harbor.

(189) Cape Disappointment (46°16.8'N., 124°02.7'W.). At Fort Canby on SW side of Baker Bay.

(190) Grays Harbor (46°54.3'N., 124°06.1'W.). On the S side of Westhaven Cove.

(191) Neah Bay (48°22.3'N., 124°35.8'W.). About 0.5 mile S of Waadah Island.

(192) Port Angeles Air Station (48°08.4'N., 123°24.5'W.). On Ediz Hook about 0.3 mile W of the E extremity of the hook.

(193) Quillayute River (47°54.5'N., 124°38.2'W.). At La Push.

(194) Seattle (47°39.8'N., 122°23.5'W.). On S side Lake Washington Ship Canal, 0.8 mile from W entrance.

(195) **Coast Guard Radio Broadcasts.**—Urgent, safety, and scheduled marine information broadcasts are made by Coast

Guard radio stations. In general, these broadcasts provide information vital to vessels operating in the approaches and coastal waters of the United States including Puerto Rico and U.S. Virgin Islands. Transmissions are as follows:

(196) **By radiotelephone:** (a) upon receipt; (b) repeated 15 minutes later, (for urgent messages only); (c) text only on the first scheduled broadcast unless canceled; (d) additional broadcasts at the discretion of the originator.

(197) **Urgent broadcasts** are preceded by the urgent signal PAN-PAN. Both the urgent signal and message are transmitted on 2182 kHz, and VHF-FM channel 16.

(198) **Safety broadcasts** are preceded by the safety signal SECURITY. After the preliminary safety signal is broadcast on 2182 kHz and VHF-FM channel 16, broadcast stations will shift to 2670 kHz and VHF-FM channel 22A, respectively.

(199) **Scheduled broadcasts.**—The following Coast Guard radio stations make scheduled broadcasts, preceded by a preliminary call on 2182 kHz and VHF-FM channel 16 at the times and frequencies indicated:

(200) **NOR**, San Diego, Calif., VHF-FM channel 22A, 0903 and 1703 P.s.t. (Remote antennas on Point Loma and San Clemente Island.)

(201) **NMQ-9**, Los Angeles/Long Beach, Calif., 2670 kHz, 1000 and 2100 P.s.t.; VHF-FM channel 22A, 0500 and 1800 P.s.t. (Remote VHF-FM antennas on San Pedro Hill, Laguna Peak (34°07'N., 119°04'W.), and Tranquillon Mountain.)

(202) **NMC-6**, Monterey, Calif., VHF-FM channel 22A, 0733, 0815, 1545, and 1933 P.s.t. (Remote VHF-FM antennas at Cambria, Point Sur, and Mount Umunhum (37°09'38"N., 121°53'51"W.).)

(203) **NMC**, San Francisco, Calif., 2670 kHz, 0603 and 1803 P.s.t.

(204) **NMC-17**, San Francisco, Calif., VHF-FM channel 22A, 0800, 1100 and 1530 P.s.t.

(205) **NMC-11**, Humboldt Bay, Calif., 2670 kHz, 0703 and 1903 P.s.t.; VHF-FM channel 22A, 0815 and 1515 P.s.t. (Remote VHF-FM antennas at Cahto Peak, Trinidad Head and Point St. George.)

(206) **NOE**, North Bend, Oreg., 2670 kHz, 1003 and 2203 P.s.t.; VHF-FM channel 22A, 1003 and 2203 P.s.t.

(207) **NMW**, Astoria, Oregon, 2670 kHz, 0933 and 2133 P.s.t.; VHF-FM channel 22A, 0933 and 2133 P.s.t.

(208) **NMW-44**, Portland, Oregon, VHF-FM channel 22A, 0945 P.s.t.

(209) **NOW**, Port Angeles, Wash., 2670 kHz, 1015 and 2215 P.s.t.; VHF-FM channel 22A, 1015 and 2215 P.s.t.

(210) **NMW-43**, Seattle, Wash., VHF-FM channel 22A, 1030 and 2230 P.s.t.

(211) **NMO**, Honolulu, Hawaii, 2670 kHz, 1103 and 2303 H.A.s.t.; VHF-FM channel 22A, 0700 and 1900 H.A.s.t.

(212) **U.S. NAVTEX Transmitting Stations.**—NAVTEX coverage is reasonably continuous to 200 NM off the U.S. East, Gulf, and West Coasts; Puerto Rico; Southwest Alaska; Hawaii; and 300-400 NM off Guam. U.S. Coast Guard NAVTEX broadcast stations (Pacific Ocean) and message content follow:

(213) **Long Beach (NMC)(Station Q)**

(214) Eleventh Coast Guard District Broadcast Notices to Mariners.

(215) Distress, Urgent, and Safety messages.

(216) Gale, storm, and Hurricane warnings.

(217) Coastal weather forecasts for Point St George to Guadalupe Island and 60 NM offshore.

(218) Broadcast times: 0045, 0445, 0845, 1245, 1645, 2045 GMT.

(219) **San Francisco (NMC) (Station C)**

(220) Eleventh Coast Guard District Broadcast Notices to Mariners.

(221) Distress, Urgent, and Safety messages.

(222) Gale, storm, and hurricane warnings.

(223) Offshore marine weather forecasts for:

(224) North of 30 N., East of 160 E.;

(225) South of 30 N., East of 140 W.

(226) Broadcast times: 0000, 0400, 0800, 1200, 1600, 2000 GMT.

(227) **Astoria (NMW)(Station W)**

(228) Thirteenth Coast Guard District Broadcast Notice to Mariners.

(229) Distress, Urgent, and Safety messages.

(230) Gale, storm, and hurricane warnings.

(231) Offshore marine weather forecasts for the Canadian border to Point St. George and 250 NM offshore.

(232) Broadcast times: 0130, 0730, 1330, 1930 GMT.

(233) **Kodiak (NOJ)(Station J)**

(234) Seventeenth Coast Guard District Broadcast Notice to Mariners.

(235) Distress, Urgent, and Safety messages.

(236) Gale, storm, and hurricane warnings.

(237) Offshore marine weather forecasts for the Canadian border to 85 N including the Aleutian Chain.

(238) Broadcast times: 0300, 0700, 1100, 1500, 1900, 2300 GMT.

(239) **Adak (NOJ)(Station X)**

(240) Seventeenth Coast Guard District Broadcast Notice to Mariners.

(241) Distress, Urgent, and Safety messages.

(242) Gale, storm, and hurricane warnings.

(243) Coastal weather forecasts for the Andrean of Island vicinity.

(244) Broadcast times: 0300, 0700, 1100, 1500, 1900, 2300 GMT.

(245) **Honolulu (NMO)(Station O)**

(246) Fourteenth Coast Guard District Broadcast Notice to Mariners.

(247) Distress, Urgent, and Safety messages.

(248) Gale, storm, tropical storm, and typhoon warnings.

(249) Offshore marine weather forecasts for:

(250) North Pacific to 50 N. and 160 E. to 140 W.;

(251) South Pacific to 25 S. and 160 E. to 110 W.

(252) Broadcast times: 0040, 0440, 0840, 1240, 1640, 2040 GMT.

(253) **Guam (Station V)**

(254) Marianas Section Broadcast Notice to Mariners.

(255) Distress, Urgent, and Safety messages.

(256) Gale, storm, tropical storm, and typhoon warnings.

(257) Offshore marine weather forecasts.

(258) Broadcast times: 0100, 0500, 0900, 1300, 1700 GMT.

(259) **Customs Ports of Entry and Stations**

(260) Vessels may be entered and cleared at any port of entry or customs station, but at the latter only with advance authorization from the Customs Service district director.

(261) **Pacific Region**

(262) **San Diego District:**

(263) Port of Entry: San Diego.

(264) Los Angeles District:

(265) Ports of Entry: Los Angeles-Long Beach, Port San Luis.

(266) Customs Station: Port Hueneme.

(267) **San Francisco District:**

(268) Ports of Entry: San Francisco-Oakland, Eureka.

(269) Customs Station: Monterey.

(270) Columbia-Snake (at Portland) District:

(271) Ports of Entry: Astoria, Coos Bay, Longview, Newport.

(272) **Seattle District:**

(273) Ports of Entry: Aberdeen, Blaine, Point Roberts, Puget Sound (includes Anacortes, Bellingham, Everett, Friday Harbor, Neah Bay, Olympia, Port Angeles, Port Townsend, and Tacoma).

(274) **Honolulu District:**

(275) Ports of Entry: Barbers Point, Hilo, Honolulu, Kahului, Nawiliwili-Port Allen.

(276) **National Weather Service Offices.**—The following offices will provide forecasts and climatological data or arrange to obtain these services from other offices. They will also check barometers in their offices or by telephone; refer to the local telephone directory for numbers:

(277) Astoria, OR: 1110 S.E. Flightline Drive, Warrenton, OR 97146.

(278) Eureka, CA: Federal Building, 514 H street 95501.

(279) Hilo, HI: Old General Lyman Field 96720.

(280) Honolulu, HI: Honolulu International Airport 96819.

(281) Kahului, HI: Kahului Airport 96732.

(282) Lihue, HI: Lihue Airport, 3651 Ahukini Road 96766.

(283) Los Angeles, CA: 11102 Federal Building 11000 Wilshire Boulevard 90024.

(284) Olympia, WA: 7645 Old 99 Highway S.E. 98501.

(285) Portland, OR: 5420 Northeast Marine Drive 97218.

(286) San Diego, CA: Lindbergh Field, 2980 Pacific Highway 92101.

(287) San Francisco, CA: 660 Price Avenue, Redwood City, CA 94063.

(288) Santa Maria, CA: Santa Maria Public Airport, 3249 Skyway Drive 93455.

(289) Seattle, WA: 7600 Sand Point Way NE 98115.

(290) Stockton, Calif.: Stockton Metropolitan Airport.

(291) **Radio Weather Broadcasts.**—Taped or direct broadcasts of marine weather forecasts and storm warnings are made by commercial and Coast Guard radio stations in the area covered by this Coast Pilot. These broadcasts usually are made several times a day; the transmission schedules are shown on the **Marine Weather Services Charts** for the following areas:

(292) Mexican Border to Point Conception, Calif.

(293) Point Conception, Calif. to Point St. George, Calif.

(294) Point St. George, Calif. to Canadian Border.

(295) Hawaiian Waters.

(296) The weather broadcasts schedules of Coast Guard radio stations are also listed in the descriptions of Coast Guard marine services found elsewhere in this appendix.

(297) **NOAA Weather Radio.**—National Weather Service VHF-FM radio stations provide mariners with continuous FM broadcasts of weather warnings, forecasts, radar reports, and surface weather observations. These stations usually transmit on 162.55, 162.475, or 162.40 MHz. Reception range is up to 40 miles from the antenna site, depending on the terrain, type of receiver, and antenna used. The following VHF-FM radio stations with location of antenna are in or near the area covered by this Coast Pilot.

- (298) **KEC-62**, San Diego, Calif., (33°01'N., 116°57'W.), 162.40 MHz.
- (299) **KWO-37**, Los Angeles, Calif., (34°13'N., 118°03'W.), 162.55 MHz.
- (300) **KIH-34**, Santa Barbara, Calif., (34°31'N., 119°58'W.), 162.40 MHz.
- (301) **KIH-31**, San Luis Obispo, Calif., (35°21'N., 120°39'W.), 162.55 MHz.
- (302) **KEC-49**, Monterey, Calif., (37°11'N., 121°54'W.), 162.55 MHz.
- (303) **KHB-49**, San Francisco, Calif., (37°27'N., 122°30'W.), 162.40 MHz.
- (304) **KIH-30**, Point Arena, Calif., (39°01'N., 123°31'W.), 162.40 MHz.
- (305) **KEC-82**, Eureka, Calif., (40°25'N., 124°07'W.), 162.40 MHz.
- (306) **KIH-37**, Brookings, Oreg., (42°07'N., 124°12'W.), 162.55 MHz.
- (307) **KIH-32**, Coos Bay, Oreg., (43°23'N., 124°07'W.), 162.40 MHz.
- (308) **KIH-33**, Newport, Oreg., (44°45'N., 124°02'W.), 162.55 MHz.
- (309) **KIG-98**, Portland, Oreg., (45°34'N., 122°47'W.), 162.55 MHz.
- (310) **KEC-91**, Astoria, Oreg., (46°22'N., 123°48'W.), 162.40 MHz.
- (311) **KIH-36**, Neah Bay, Wash., (48°22'N., 124°40'W.), 162.55 MHz.
- (312) **KHB-60**, Seattle, Wash., (47°32'N., 122°47'W.), 162.55 MHz.
- (313) **WXM-62**, Olympia, Wash., (46°29'N., 123°12'W.), 162.475 MHz.
- (314) **CFA-240**, Victoria, Canada, (48°43'N., 123°29'W.), 162.40 MHz. (Canadian Government weather radio station.)
- (315) **KBA-99**, Hilo, Hawaii, (19°44'N., 155°05'W.), 162.55 MHz.
- (316) **KBA-99**, Maui, Hawaii, (20°43'N., 156°16'W.), 162.40 MHz.
- (317) **KBA-99**, Honolulu, Hawaii, (21°31'N., 158°09'W.), 162.55 MHz.
- (318) **KBA-99**, Kauai, Hawaii, (22°07'N., 159°40'W.), 162.40 MHz.
- (319) The National Weather Service provides **Radiofacsimile Weather Information** for Pacific coast waters through the Coast Guard Communications Station San Francisco at Point Reyes, CA (NMC). Broadcasts are made on the following frequencies:
- (320) Day: 8682, 12730, 17151.2, 22528.9 kHz.
- (321) Night: 4346, 8682, 12730, 17151.2 kHz.
- (322) For carrier frequency subtract 1.9 kHz.
- (323) Fax schedules are transmitted at 1104 and 2324 GMT, and provide area coverage and descriptions of services. For further information, contact the National Weather Service National Meteorological Center at (301) 763-8442, or fax (301) 899-8903.
- (324) **National Weather Service Forecast Offices (WSFOs)**.—Scheduled coastal marine forecasts are issued four times daily by Weather Service Forecast Offices. (See National Weather Service, chapter 1, for further details.) Individual WSFOs and their specific areas of broadcast coverage are as follows:
- (325) Los Angeles, Calif.: Inner coastal waters from Point Conception to San Clemente Island, California to the Mexican Bor-

der; outer coastal waters from Point Conception to San Clemente Island out to 60 nautical miles.

(326) San Francisco, Calif.: (1) San Francisco, San Pablo, and Suisun Bays, and Western Delta Region; (2) Point Pinos to but not including Point Conception, out 60 miles; (3) Point Arena to but not including Point Pinos, out 60 miles; (4) Point St. George to but not including Point Arena, out 60 miles.

(327) Portland, Oreg.: Clatsop Spit to Point St. George, out 60 miles.

(328) Seattle, Wash.: (1) Cape Flattery to the mouth of Columbia River, out 60 miles; (2) Strait of Juan de Fuca; (3) Inland waters of western Washington.

(329) Honolulu, Hawaii: Coastal waters of the islands of Kauai, Oahu, Maui, Lanai, Molokai, and Hawaii, out 100 miles.

(330) **National Weather Service Port Meteorological Officers (PMOs)**.—Port Meteorological Officers provide assistance on matters of weather chart interpretation, instruments, marine weather communications, and requirements affecting ship operations. (See **National Weather Service**, chapter 1, for further details.) PMO offices in the area covered by this Coast Pilot are as follows:

(331) Terminal Island, Calif: 2005 T Custom House, 300 South Ferry Street 90731.

(332) Alameda, CA: Coast Guard Island, Building 10, 94501.

(333) Seattle, WA: 7600 Sand Point Way, NE 98115.

(334) Honolulu, HI: Prince Kuhio Federal Building 96850.

(335) **Public Health Service Quarantine Stations**.—Stations where quarantine examinations are performed:

(336) Honolulu: U.S. Quarantine Station, Honolulu International Airport, Terminal Box #67, Honolulu, Hawaii 96819-1832.

(337) Los Angeles: U.S. Quarantine Station, P.O. Box 90834, Los Angeles, CA 90009-0834.

(338) San Francisco: U.S. Quarantine Station, P.O. Box 8548 SFIA, San Francisco, Calif. 94128-0548.

(339) Seattle: U.S. Quarantine Station, Room S-212, Seattle-Tacoma International Airport, Seattle, WA 98158-1720.

(340) At other ports, quarantine and/or medical examinations are usually performed by Public Health Service contract personnel or by quarantine inspectors from the nearest quarantine station. Inquiries concerning quarantine matters should be directed to the nearest quarantine station.

(341) **Food and Drug Administration (FDA) Regional Offices**

(342) **Northeast Region** (New York, Maine, Connecticut, New Hampshire, Vermont, Rhode Island): 830 Third Avenue, Brooklyn, NY 11232.

(343) **Mid-atlantic Region** (Delaware, Pennsylvania, Virginia, Maryland, Ohio, New Jersey): U.S. Customhouse, 2nd and Chestnut Streets, Philadelphia, PA 19106.

(344) **Southeast Region** (South Carolina, North Carolina, Georgia, Alabama, Louisiana, Mississippi, Florida, Puerto Rico): 60 Eighth Street, N.E., Atlanta, GA 30309. Midwest Region (Illinois, Indiana, Michigan, Wisconsin): 20 N. Michigan Avenue, Chicago, IL 60602.

(345) **Southwest Region (Texas)**: 3032 Bryan Street, Dallas, TX 75204.

(346) **Pacific Region** (California, Hawaii, Alaska, Washington, Oregon): 50 U.N. Plaza, San Francisco, CA 94102.

(347) **Department of Agriculture, Animal and Plant Health Inspection Service (APHIS) Offices**.—Listed below are ports

covered by this volume where APHIS inspectors are available to inspect plants, and plant and animal products, and locations of Animal Import Centers where livestock and birds are inspected.

(348) Information on importation of plants, animals, and plant and animal products is available from APHIS, Department of Agriculture, Federal Building, 6505 Belcrest Road, Hyattsville, MD 20782. The specific offices to contact are as follows: for plants, including fruits and vegetables, and plant products, Plant Protection and Quarantine, Room 635, telephone 301-436-6799; for animal products, Import-Export Animals and Products Staff, Room 756A, telephone 301-436-7885; and for live ruminants, swine, equines, poultry and other birds, Veterinary Services, Import-Export Animals and Products Staff, Room 764, telephone 301-436-8590.

(349) **California:**

(350) Los Angeles: Bldg. D North, 9650 La Cienega Boulevard, Inglewood 90301.

(351) Los Angeles: International Arrivals Area, Satellite 2, World Way Center Post Office, Los Angeles International Airport, 90009.

(352) San Diego: U.S. Border Station, San Ysidro 92073.

(353) San Francisco: Agriculture Bldg., Embarcadero and Mission Streets 94120.

(354) San Francisco: Airport Station, San Francisco International Airport 94128.

(355) **Hawaii:**

(356) Hilo: General Lyman Field 96720.

(357) Honolulu: International Arrivals Bldg., Honolulu International Airport 96820.

(358) Wailuku: Federal Post Office Bldg., 96793.

(359) **Oregon:**

(360) Astoria: Port Docks 97103.

(361) Coos Bay: U.S. Postal Service Bldg., 235 West Anderson Street 97420.

(362) Portland: Federal Bldg., 511 Northwest Broadway 97209.

(363) **Washington:**

(364) Blaine: U.S. Customs House, 98230.

(365) Seattle: Federal Office Bldg., 909 First Avenue 98174.

(366) Seattle: Seattle-Tacoma International Airport 98158.

(367) **Animal Import Centers:**

(368) Honolulu, Hawaii: 300 Ala Moana Boulevard, 96850.

(369) Miami, Fla.: 8120 N.W. 53rd Street, 33166.

(370) Rock Tavern, N.Y., New York Animal Import Center, Stewart Airport, Rural Route 1, Box 74, 12575.

(371) **Immigration and Naturalization Service Offices**

(372) **California:**

(373) Los Angeles: 300 North Los Angeles Street 90012.

(374) Sacramento: Federal and U.S. Courthouse Bldg., 650 Capitol Mall 95814.

(375) San Diego: 880 Front Street 92188.

(376) San Francisco: Appraisers Bldg., 630 Sansome Street 94111.

(377) San Luis Obispo: Frontage Road South Highway 101, 93406.

(378) San Pedro: Terminal Island 90731.

(379) Stockton: U.S. Post Office Bldg., 401 North San Joaquin Street 95202.

(380) **Hawaii:**

(381) Honolulu: 595 Ala Moana Boulevard 96809.

(382) **Oregon:**

(383) Portland: Federal Office Bldg., 511 Northwest Broadway 97209.

(384) **Washington:**

(385) Bellingham: Federal Bldg., Magnolia and Cornwall Streets 98227.

(386) Blaine: Peace Arch Inspection Station 98230.

(387) Longview: U.S. Postal Service Bldg., 1603 Larch Street 98632.

(388) Port Angeles: U.S. Post Office Bldg., First and Oak Streets 98362.

(389) Seattle: 815 Airport Way South 98134.

(390) Tacoma: U.S. Post Office Bldg., 11th and A Streets 98401.

(391) **Department of Interior, U.S. Fish and Wildlife Service.**—Interior, Department of Refuge Manager, Hawaiian/Pacific Islands National Wildlife Complex, U.S. Fish and Wildlife Service, 300 Ala Moana Boulevard, P.O. Box 50167, Honolulu, HI 96850. See National Wildlife Refuges (indexed as such), chapter 15.

(392) **Federal Communications Commission Offices**

(393) **District field offices:**

(394) Waipahu, Hawaii: P.O. Box 1030, 96797.

(395) Long Beach, Calif.: 3711 Long Beach Boulevard, 90807.

(396) Portland, Oreg.: 1782 Federal Bldg., 1220 S.W. Third Avenue 97204.

(397) La Mesa, Calif., 7840 El Cajon Blvd., 92041.

(398) San Francisco, Calif., 424 Customhouse, 555 Battery Street 94111.

(399) Bellevue, Wash.: One Newport, Room 414, 3605 132nd Avenue, S.E. 98006.

(400) **Radio shore stations providing medical advice.**—Messages to shore stations may be transmitted in code groups or plain language; messages should be signed by the master and be prefixed: "RADIOMEDICAL". The following stations will provide radio services for medical advice. (See Medical advice, chapter 1.)

(401) **NMC**, San Francisco, CA, U.S. Coast Guard, and

(402) **NMO**, Honolulu, HI, U.S. Coast Guard on HF single-sideband radiotelephone channels 424(4134 kHz), 601(6200 kHz), 816(8340 kHz), or 1205(12242 kHz).

(403) **KFS**, San Francisco, CA, ITT World Communications, Inc.,

(404) **KPH**, San Francisco, CA, RCA Global Communications, Inc., and

(405) **KLB**, Seattle, WA, KLB Seattle Marine Radio maintain a continuous guard on 500 kHz.

(406) **Measured Courses.**—The positions of measured courses are shown on the chart and their description is included in the Coast Pilots when information is reported to the National Ocean Service. Courses are located in the following places covered by this Coast Pilot.

(407) Barbers Point, on the S coast of the Island of Oahu; 19362.

(408) Bellingham Bay, off the entrance to Whatcom Creek Waterway; 18424.

(409) Budd Inlet, SE of Olympic Shoal; 18456.

(410) Carr Inlet, on the NE shore of McNeil Island; 18448.

(411) Channel Islands Harbor, on the breakwater N of the entrance; 18725.

(412) Dungeness Bay, on the strait side of Dungeness Spit; 18465.

(413) Edmonds, N of Edwards Point on the E shore of Puget Sound; 18473.

- (414) Kaneohe Bay, SE of Moku o Loe Island in S part of bay; 19359.
- (415) Lake Washington, on pontoon bridge from Foster Island to Evergreen Point; 18447.
- (416) Lake Washington, on pontoon bridge to Mercer Island; 18447.
- (417) Long Beach Harbor, on Long Beach Breakwater; 18751.
- (418) Marina del Rey, just N of entrance; 18744.
- (419) Newport Harbor, W side of harbor entrance; 18754.
- (420) Pacific Beach, just N of Scripps Institution of Oceanography; 18765.
- (421) Parry Bay, on the NW shore of the bay; 18465.
- (422) Port Angeles, in SW part of the harbor; 18468.
- (423) Portland Harbor, in Willamette River W of Swan Island; 18526.
- (424) Sacramento River, on NE side of river N of Walnut Grove; 18662.
- (425) San Clemente Island, S of West Cove; 18763.
- (426) San Diego Bay, on W side of North Island; 18773.
- (427) San Diego Bay, on S side of Harbor Island; 18773 (not charted).
- (428) Santa Barbara Harbor, E of Stearns Wharf; 18725.
- (429) Sinclair Inlet, S of Bremerton naval shipyard; 18452.
- (430) Vancouver Harbor, on Hayden Island; 18526.
- (431) Vashon Island, E of Point Beals; 18448.
- (432) The pages in the text describing the courses can be obtained by referring to the index for the geographic places; the chart number follows the names.